SECTION 07260
RECOMMENDED SPECIFICATION FOR
Nikka Corporation
Vapor-Con™
Moisture Reduction System

PART I – GENERAL

1.01 SUMMARY

A. This is the recommended specification for Vapor-Con™ Moisture Reduction System

1.02 SECTION INCLUDES

A. Vapor- con™

B. A two-part epoxy crack and joint filler such as Flexible Joint Sealant (NC-FJS) as manufactured by Nikka Corporation

1.03
QUALITY ASSURANCE

A. The Vapor-Con™ Moisture Reduction System shall be installed only over concrete surfaces that have been properly mechanically prepared to a minimum surface profile of ICRI CSP #2-#3 and which have a moisture emission level of 12 lbs. or less at the time of testing when measured in accordance with ASTM F1869, or an RH value of 95% or less when measured in accordance with ASTM F2170.

B The Vapor-Con™ Moisture Reduction System shall reduce the vapor emissions of the concrete up to 96.4%. of the tested emission reading

1.04 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in their unopened packages and protect from extreme temperatures and moisture. Protect liquids from freezing.

1.05 SITE CONDITIONS

A. The Vapor-Conn™ Moisture Reduction System involves the use of epoxies Observe the basic rules for working with epoxy and concrete. Do not install below 50°F surface temperature. Install quickly if substrate and job site conditions are above 70°F.

PART 2 – PRODUCTS

2.01 MATERIALS

A. The epoxy-based moisture control system shall be Vapor-Con™. (No equals allowed)

B. To fill dormant cracks, the epoxy material shall be Flexible Joint Sealant (NC-FJS).

2.02 MIX DESIGNS

A.Each individual unit of Vapor-Con™ contains separate, pre-measured quantities of the hardener and the resin. The hardening agent is added to the resin. All unit must be mixed in its entirety

B. For instructions on the filling of dormant cracks and joints, follow the written instructions of the selected epoxy manufacturer.

PART 3 – EXECUTION

3.01 PREPARATION

A. Floor prep shall create a CSP#2-3. This can be achieved by sanding or lightly diamond grinding the surface.

B. JOINT AND CRACK PREPARATION

1. Moving Joints – honor all expansion and isolation joints up through the Vapor-Con Moisture Control System.

6.

Saw Cuts, Control Joints and Dormant Cracks – fill all non-moving joints and cracks greater than 1/32" with Flexible Joint Sealant (NC_FJS). Once the cracks and joints have been properly filled, allow these areas to cure for a minimum of 16 hours prior to proceeding with the installation of the Vapor Con™ MOISTURE CONTROL SYSTEM.

3.02
APPLICATION
Vapor-Con™ Moisture Reduction System

A. Mixing of Vapor-Con™.

1. Each individual unit of Vapor Con™ contains separate, pre-measured quantities of the hardener and the resin.

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2. Remove tops, thoroughly mix the two components together using a low-speed drill and mixing paddle.

B. **Vapor-Con™ Moisture Reduction System** is a two-coat system

1. Apply the first coat of Vapor-Con to the prepared concrete surface in a uniform direction at an application rate of 267-320 sq. ft. per gallon achieving a coating thickness of 5-7 mils.

2. Material should be applied with a squeegee and back rolled using a ¼ nap roller to achieve desired thickness. A second coat may be applied but is not necessary unless the surface is to rough or porous.

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3.03 PROTECTION

A. Prior to the installation of the underlayment or topping, or finish flooring or sealer, the surface of the system should be protected from abuse by other trades by the use of plywood, Masonite or other suitable protection course.

END OF SECTION